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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,966	11/24/2003	Tsing-Tang Song	250913-1030	5221
24504	7590	07/01/2005	EXAMINER	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP			CHU, JOHN S Y	
100 GALLERIA PARKWAY, NW				
STE 1750			ART UNIT	PAPER NUMBER
ATLANTA, GA 30339-5948			1752	

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/720,966	SONG ET AL.	
	Examiner	Art Unit	
	John S. Chu	1752	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 18 April 2005.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-19 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-19 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

This Office action is in response to the application filed November 24, 2003 and the election received April 18, 2005.

1. Applicant's election without traverse of the invention of Group I, claims 1-19 in the reply filed on April 18, 2005 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by

MELISARIS et al 2002/0177073.

The claimed invention is drawn to the following:

1. A negative photoresist composition with multi-reaction systems, comprising the following components as a uniform solution in an organic solvent:
at least one saturated or unsaturated resin;
at least one photoinitiator in an amount of 0.1 to 35 parts by weight, based on 100 parts by weight of the saturated or unsaturated resin;
at least one free radical reactive monomer in an amount of 0.1 to 100 parts by weight;
at least one photoacid generator in an amount of 0.1 to 35 parts by weight; and
at least one cation reactive monomer in an amount of 0.1 to 35 parts by weight.

MELISARIS et al anticipates the claimed invention at claim 1 seen here.

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What is claimed is:

1. A liquid, radiation-curable stereolithographic composition comprising:
 - a) from 20 to 90 percent by weight of acyclic radiation-curable and cationically polymerizable organic compounds;
 - b) from 0.05 to 12 percent by weight of a cationic initiator;
 - c) from 0.5 to 60 percent by weight of at least one cationic reactive modifier containing at least two reactive groups per molecule, or at least one polyether polyol component or mixtures thereof, wherein the cationic reactive modifier has at least one chain extension segment with a molecular weight of at least about 100 and not more than about 2,000, and the polyether polyol component has a molecular weight greater than or equal to about 4,000;
- d) 0 to 10 percent by weight of a radical photoinitiator;
- e) 0 to 40 percent by weight of a free radically curable component containing at least one mono- or poly-(meth)acrylate;
- f) 0 to 10 percent by weight of a polyol different from said polyether polyol component; and

This claim recites the claimed negative photoresist composition comprising at least one saturated resin or unsaturated resin; at least one photoinitiator ; at least one free radical reactive monomer; at least one photoacid generator; and at least one cation reactive monomer, see [0038] – [0053] for the cationically curable compound, [0054] – [0074] for the cationic photoinitiators, [0075] – [0080] for the free radical initiators, [0083] – [0099] for the monomers, and [102] for a saturated resin. The recited claims are anticipated.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Chu whose telephone number is (571) 272-1329. The examiner can normally be reached on Monday - Friday from 9:30 am to 6:00 pm.

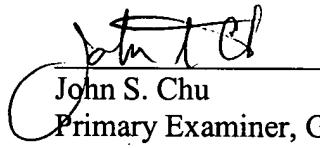
The fax phone number for the USPTO is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1700.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PMR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John S. Chu
Primary Examiner, Group 1700

J.Chu
June 27, 2005